

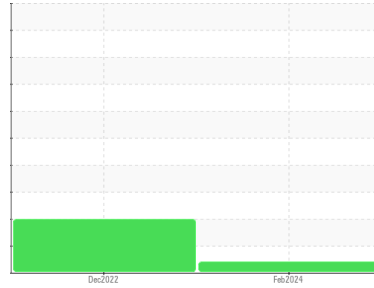
OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS

Area
COMPRESSOR STATIONS/ZENA AREA [EODMID]
Machine Id
NEMESIS (S/N 5629X2702)

Component
Compressor
Fluid
TULCO LUBSOIL LPG WS 150 (1 GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. (Customer Sample Comment: Unknown oil capacity)

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		TO60002100	TO60000031	---
Sample Date	Client Info		05 Feb 2024	12 Dec 2022	---
Machine Age	hrs	Client Info	363	37861	---
Oil Age	hrs	Client Info	363	7680	---
Oil Changed	Client Info		Oil Added	Not Changd	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	4	7	---
Chromium	ppm	ASTM D5185m >10	<1	0	---
Nickel	ppm	ASTM D5185m	0	<1	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	2	<1	---
Lead	ppm	ASTM D5185m >25	0	<1	---
Copper	ppm	ASTM D5185m >50	<1	0	---
Tin	ppm	ASTM D5185m >15	0	2	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	0	---
Barium	ppm	ASTM D5185m 0	8	0	---
Molybdenum	ppm	ASTM D5185m 0	0	0	---
Manganese	ppm	ASTM D5185m	0	0	---
Magnesium	ppm	ASTM D5185m 0	2	<1	---
Calcium	ppm	ASTM D5185m 0	9	0	---
Phosphorus	ppm	ASTM D5185m 0	27	33	---
Zinc	ppm	ASTM D5185m 0	0	2	---
Sulfur	ppm	ASTM D5185m 0	29	814	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	9	<1	---
Sodium	ppm	ASTM D5185m	3	0	---
Potassium	ppm	ASTM D5185m >20	2	1	---
Water	%	ASTM D6304 >2.26	0.615	0.613	---
ppm Water	ppm	ASTM D6304 >22600	6160	6130	---

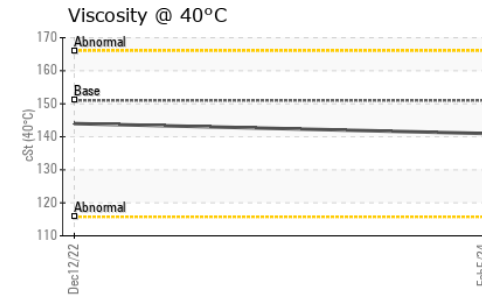
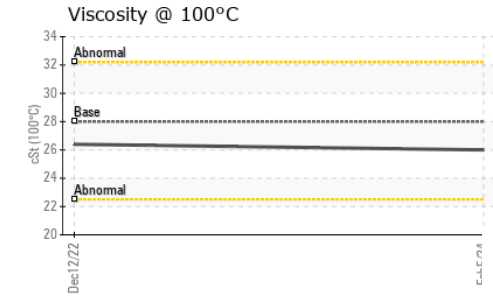
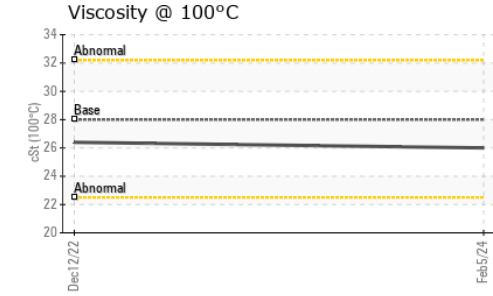
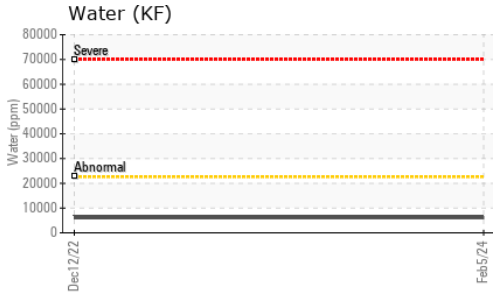
FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	---	▲ 92245	---
Particles >6µm	ASTM D7647	>1300	---	▲ 32677	---
Particles >14µm	ASTM D7647	>320	---	▲ 987	---
Particles >21µm	ASTM D7647	>80	---	▲ 173	---
Particles >38µm	ASTM D7647	>20	---	2	---
Particles >71µm	ASTM D7647	>4	---	0	---
Oil Cleanliness	ISO 4406 (c)	>20/17/15	---	▲ 24/22/17	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.09	0.33	---

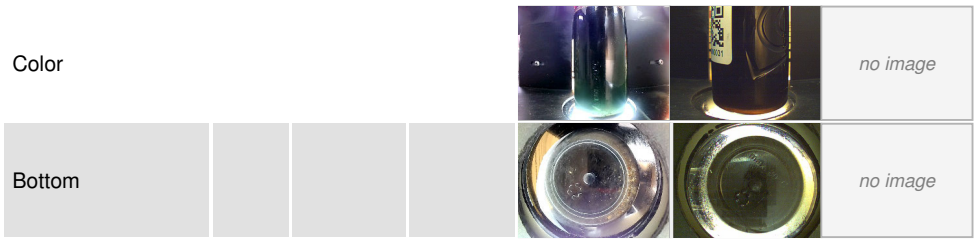
OIL ANALYSIS REPORT



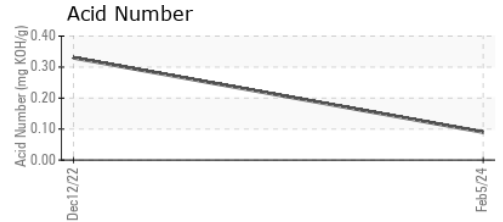
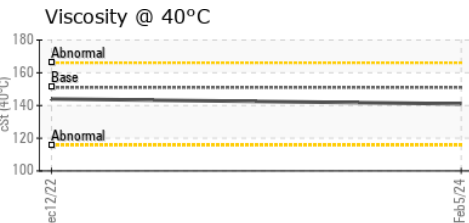
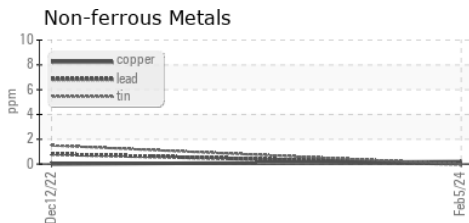
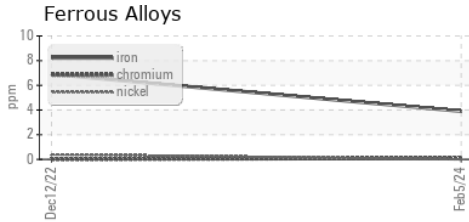
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	151	141	144	---
Visc @ 100°C	cSt	ASTM D445	28	26.0	26.4	---
Viscosity Index (VI)	Scale	ASTM D2270	224	220	220	---

SAMPLE IMAGES



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002100 **Received** : 26 Feb 2024
Lab Number : **06100913** **Tested** : 28 Feb 2024
Unique Number : 10899143 **Diagnosed** : 28 Feb 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

MIDLAND - EOG RESOURCES INC.
 5509 CHAMPIONS DRIVE
 MIDLAND, TX
 US 79706
 Contact: HERMAN GARZA
 herman_garza@eogresources.com
 T: (432)686-3600
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)